

Hydro Profile



Light Efficiency:



Light Quality:



Color Temperature:



Output: 15187 lm

Peak: 264189 cd

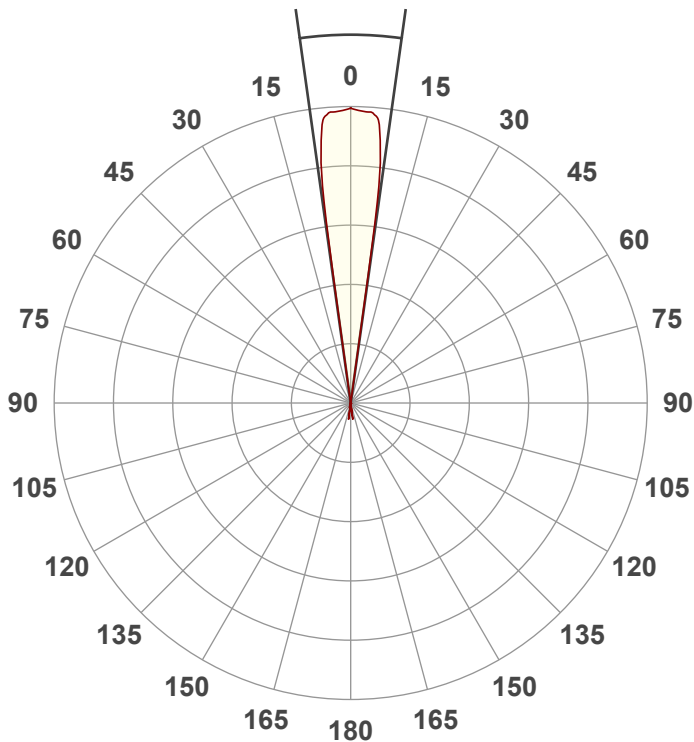
Power: 865 W

PF: 1.0



Beam Angle

15.9°



Test:

Zoom 50% 5200K

Date:

7/19/2022

Note:

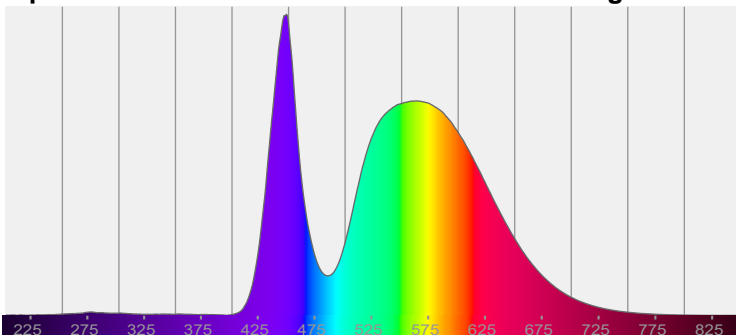
CTO @ 112



CIE 1931
x: 0.339
y: 0.354

Spectra

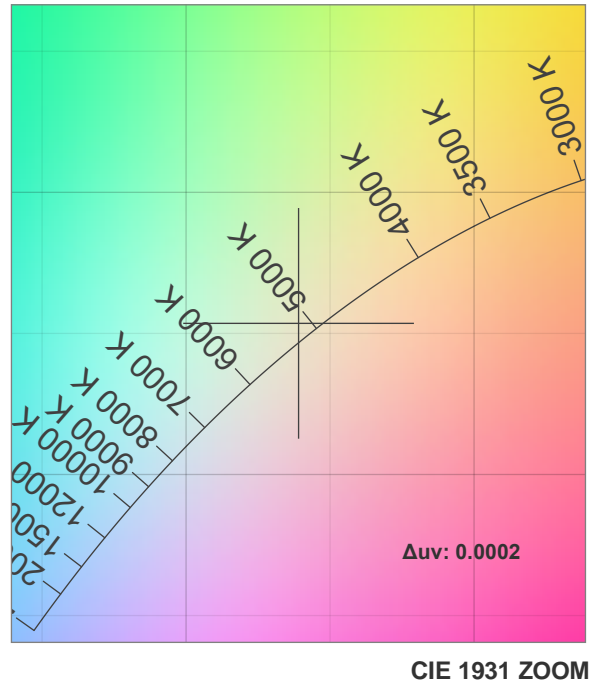
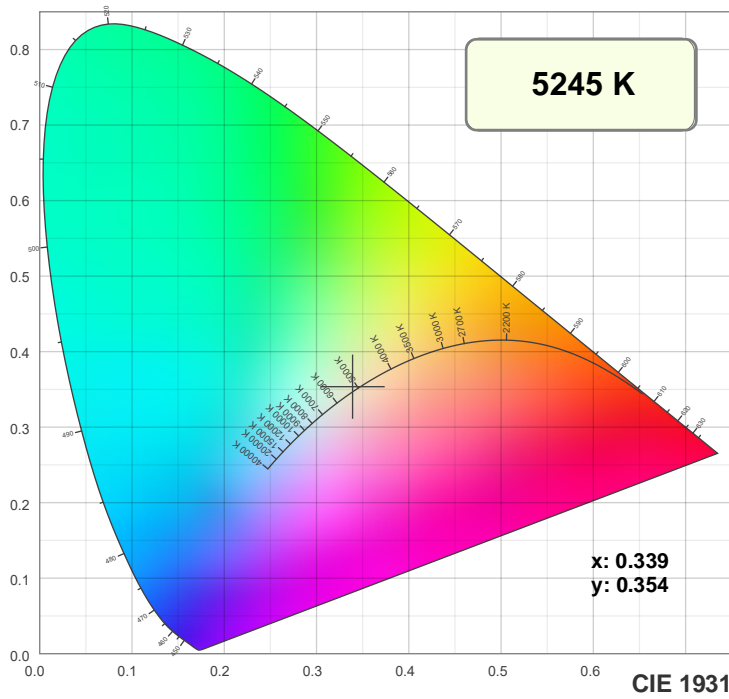
Dominant Wavelength: 578nm



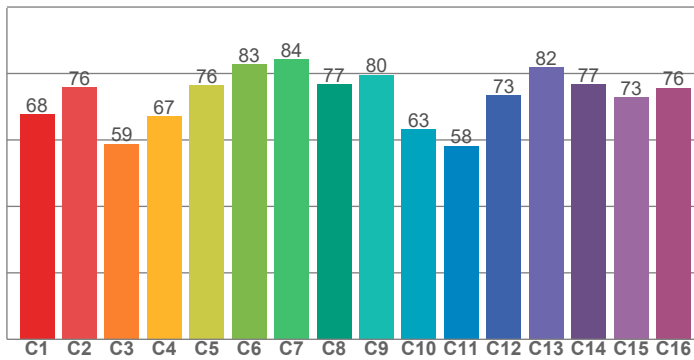
Power

Voltage: 118 V
Current: 7.30 A
Frequency: 0 Hz

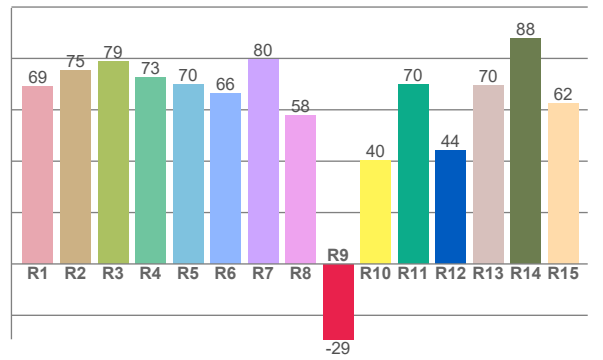
Color Details



TM30: 72.5



CRI: 71.2 (R1-R8)



CRI R values, only R1-R8 are used to calculate final CRI value

R1	R2	R3	R4	R5	R6	R7	R8	R9	R10	R11	R12	R13	R14	R15
69.2	75.1	78.8	72.8	69.9	66.4	79.7	57.9	-29.3	40.3	70.0	44.1	69.5	87.9	62.4

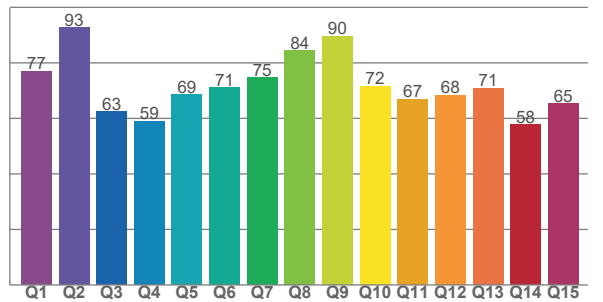
TM30 C values, 16 binned values out of total of 99 C values

C1	C2	C3	C4	C5	C6	C7	C8	C9	C10	C11	C12	C13	C14	C15	C16
67.7	75.8	58.8	67.1	76.4	82.7	84.2	76.7	79.5	63.1	58.2	73.3	81.8	76.6	72.8	75.7

CQS Q values

Q1	Q2	Q3	Q4	Q5	Q6	Q7	Q8	Q9	Q10	Q11	Q12	Q13	Q14	Q15
77.0	92.7	62.5	59.0	68.6	71.1	74.6	84.4	89.6	71.7	66.9	68.4	70.9	57.7	65.4

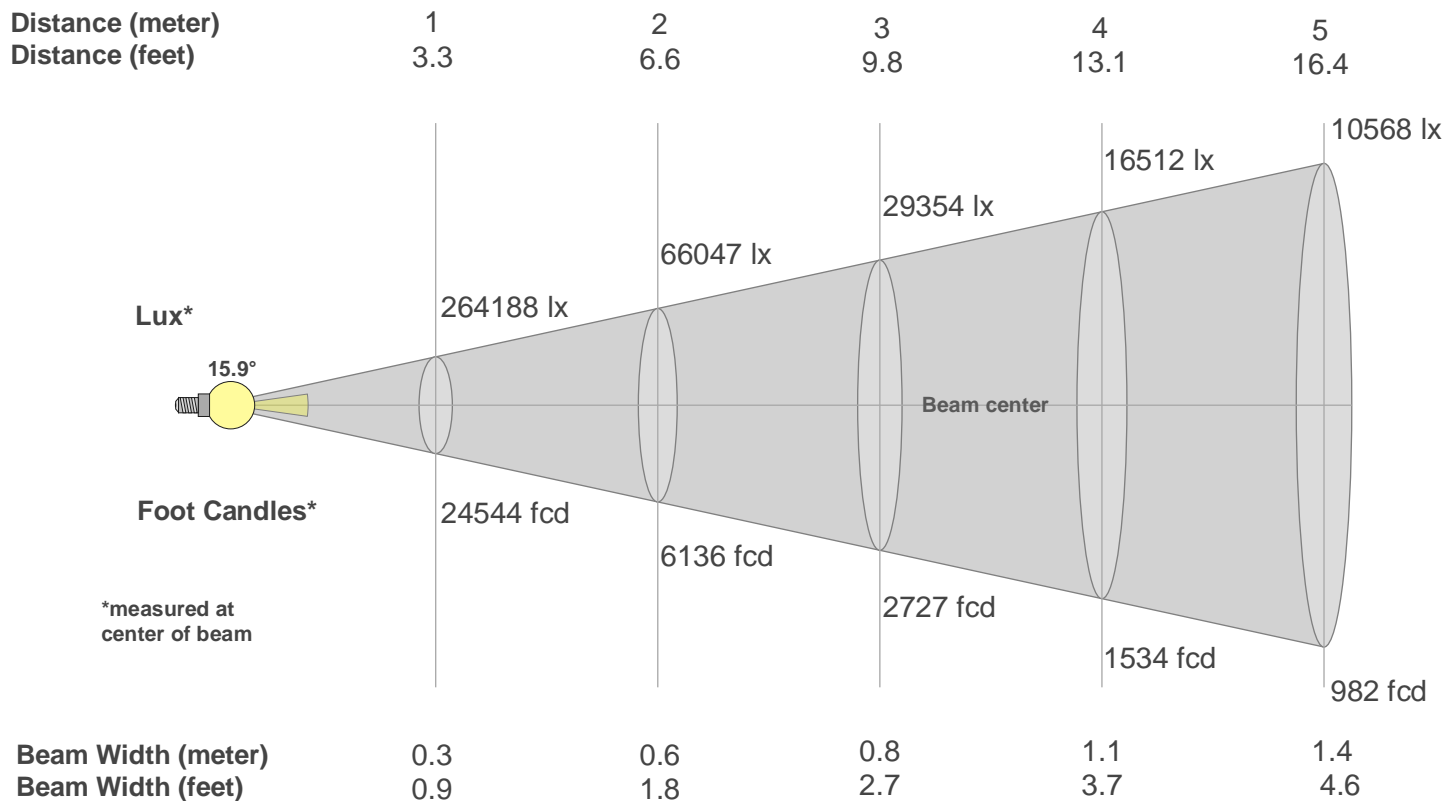
CQS: 70.3



Color Parameters

Color Temperature	Color Rendering Index	Red Component	Color Fidelity	Color Gamut	Color Quality Scale	Color Coordinate CIE 1931	Color Coordinate CIE 1931	Color Coordinate	Color Coordinate	Color Deviation from Black Body
CCT	CRI	CRI R9	TM30 Rf	TM30 Rg	CQS	x	y	u	v	Δuv
5245 K	71.2	-29.3	72.5	95.0	70.3	0.339	0.354	0.207	0.323	0.0002

Beam Details



Beam Intensities from 1-20m

m	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
ft	3.3	6.6	9.8	13.1	16.4	19.7	23	26.2	29.5	32.8	36.1	39.4	42.7	45.9	49.2	52.5	55.8	59.1	62.3	65.6
lx	264188	66047	29354	16512	10568	7339	5392	4128	3262	2642	2183	1835	1563	1348	1174	1032	914	815	732	660
fcd	24543.9	6136	2727.1	1534	981.8	681.8	500.9	383.5	303	245.4	202.8	170.4	145.2	125.2	109.1	95.9	84.9	75.8	68	61.4

Intensities in 0° C-plane

0°	1°	2°	3°	4°	5°	6°	7°	8°	9°	10°	11°	12°	13°	14°	15°	16°	17°	18°	19°
264K	263K	262K	261K	261K	256K	247K	205K	126K	5K	0K	0K	0K	0K	0K	0K	0K	0K	0K	0K
100%	100%	99%	99%	99%	97%	93%	78%	48%	2%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%

Intensities in 90° C-plane

0°	1°	2°	3°	4°	5°	6°	7°	8°	9°	10°	11°	12°	13°	14°	15°	16°	17°	18°	19°
264K	263K	262K	261K	261K	256K	247K	205K	126K	5K	0K	0K	0K	0K	0K	0K	0K	0K	0K	0K
100%	100%	99%	99%	99%	97%	93%	78%	48%	2%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%

Intensities in 180° C-plane

0°	1°	2°	3°	4°	5°	6°	7°	8°	9°	10°	11°	12°	13°	14°	15°	16°	17°	18°	19°
264K	263K	262K	261K	261K	256K	247K	205K	126K	5K	0K	0K	0K	0K	0K	0K	0K	0K	0K	0K
100%	100%	99%	99%	99%	97%	93%	78%	48%	2%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%

Intensities in 270° C-plane

0°	1°	2°	3°	4°	5°	6°	7°	8°	9°	10°	11°	12°	13°	14°	15°	16°	17°	18°	19°
264K	263K	262K	261K	261K	256K	247K	205K	126K	5K	0K	0K	0K	0K	0K	0K	0K	0K	0K	0K
100%	100%	99%	99%	99%	97%	93%	78%	48%	2%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%

Beam Angle 50%	Field Angle 10%	Cutoff Angle 2,5%	Intensity Ratio in 120° Cone	Intensity Ratio in 90° Cone
15.9°	17.6°	18°	100.0%	100.0%